

SARANKIN, V.A.

Effect of technological factors on the carbon content of carbon free
ferrochromium. Nauch. trudy DMI no.51:162-172 '63.

(MIRA 17:10)

SARANKIN, V.A.; KHITRIK, S.I.

Role of metal regulus in the slag during the making of
carbon-free ferrochromium. Izv. vys. ucheb. zav.; chern.
met. 6 no.12:54-61 '63. (MIRA 17:1)

1. Dnepropetrovskiy metallurgicheskiy institut.

NIKOLAYEVA, Anna Grigor'yevna; SARANKIN, Viktor Ivanovich;
TIKHONOVA, Ye.A., tekhn. red.

[Stronger than ice; documentary narrative about the Arctic
navy's captains Mikhail Vasil'evich and Nikolai Mikhail-
lovich Nikolaev] Sil'nee l'dov; dokumental'naya povest' o
ledovykh kapitanakh Mikhaile Vasil'eviche i Nikolae Mikhail-
loviche Nikolaevykh. Moskva, Izd-vo "Morskoi transport" 1963.
198 p. (MIRA 16:9)

(Arctic region--Russian exploration)

MANULKIN, Z.M.; KUCHKAROV, A.B.; SARANKINA, S.A.

Synthesis of new mixed organogermanium compounds of the types
 $(C_6H_5)_3GeR$ and $(C_6H_5)_3Ge - C_6H_4X$. Dokl. AN SSSR 149 no.2:
318-320 Mr '63. (MIRA 16:3)

1. Tashkentskiy politekhnicheskiy institut. Predstavleno
akademikom A.N.Nesmeyanovym.
(Germanium organic compounds)

SARANKINA, S.A., MANULKIN, Z.M.

Synthesis of new composite organogermanium compounds of the
(C₆H₅)₂Ge(C₆H₄X)₂ type. Zhur. ob. khim. 35 no.5:845-848
My '65. (MIRA 18:6)

1. Tashkentskiy politekhnicheskii institut.

L 10244-67 EWP(j)/ENT(m) RM
ACC NR: AP7003113

SOURCE CODE: UR/0079/66/036/007/1299/1301

SARANKINA, S. A., MANULKIN, Z. M., Tashkent Polytechnic Institute (Tashkentskiy
Politehnicheskiy institut)

"Study of the Action of Bromine and Hydrogen Chloride on Some Aromatic
Organogermanium Compounds"

Moscow, Zhurnal Obshchey Khimii, Vol 36, No 7, 1966, pp 1299-1301

TOPIC TAGS: organogermanium compound, bromine, hydrogen chloride

Abstract: Chemical reactions of compounds of the types $(C_6H_5)_3GeR$,
 $(C_6H_5)_2GeR_2$, and $(C_6H_5)_2Ge(p-C_6H_4R)_2$, where R is an unsaturated radical

(n-propenyl or isobutenyl) were investigated. The reactions with bromine and
hydrogen chloride were studied for comparison with similar studies of tin and
antimony compounds, as well as potential synthetic reactions. Under the action
of bromine on compounds of the type $(C_6H_5)_3GeR$ and $(C_6H_5)_2GeR_2$, splitting out

of the unsaturated radical resulted in the formation of triphenylgermanium
bromide and diphenylgermanium dibromide, respectively. Under the action of
bromine on compounds of the type $(C_6H_5)_2Ge(p-C_6H_4R)_2$, there was an addition of

bromine to the double bonds, forming tetrabromides. The reaction of hydrogen
chloride with diphenyldi-p-isopropenylphenylgermanium and diphenyldi-p-
isobutenylphenylgermanium in benzene medium led to the addition of hydrogen
chloride at the double bonds, forming dichlorides. [JPRS: 38,970]

SUB CODE: 07 / SUBM DATE: 21Jun65 / ORIG REF: 006

Card: 1/1

UDC: 547.1'3 + 546.8

0705

2069

L 53986-65 EWT(1)/EWP(e)/EPA(e)-2/EWT(m)/EPF(c)/EWP(1)/EPR/EPA(w)-2/T/EWP(t)/
EEC(b)-2/EWP(b) Pab-10/Pq-4/Pr-4/Ps-4/Pt-7/Pi-4 IJP(c) JD/WW/GG/WH

ACCESSION NR: AP5015570

UR/0153/65/008/002/0250/0253

AUTHOR: Saranov, Ye. I.; Mokrushin, S. G.

TITLE: Kinetics of formation of thin copper films on glass

SOURCE: IVUZ. Khimiya i khimicheskaya tekhnologiya, v. 8, no. 2, 1965, 250-253

TOPIC TAGS: thin film technology, copper thin film, copper catalytic depositions, chemical reduction kinetics

ABSTRACT: Kinetics of the catalytic reduction of copper sulfate has been studied with the purpose of depositing on glass transparent thin films of copper of given thickness. The advantage of the chemical deposition method for producing thin film devices and the absence of literature data on the deposition of copper films were stressed. Before copper deposition, the glass plate substrate was activated first with tin and then with palladium. A continuous spectrophotometric method was used for monitoring the increase in the film thickness which was found to increase linearly with increasing optical density. Kinetic curves indicated two phases in the deposition process. In the first phase, the process obeyed an exponential law corresponding to the formation of copper nuclei on the activated glass surface. The second phase, described by a linear time dependence of the optical density, corres-

Card 1/2

L-53986-65
ACCESSION NR: AP5015570

ponded to copper deposition on nuclei. The most important rate determining factor was the copper concentration in solution (0.001—0.006 mol/l). The growth rate of the film increased linearly with concentration. The effects of the viscosity of the solution and temperature (in the 20—40C range) were also studied. The process of copper deposition was assumed to be controlled by a combination of the diffusion of copper ions in solution and the kinetics of the catalysis on the surface. Orig. art. has: 5 figures and 1 formula. [JK]

ASSOCIATION: Ural'skiy politekhnicheskiy institut im. S. M. Kirova, Kafedra fizicheskoy i kolloidnoy khimii (Ural Polytechnic Institute, Chair of Physical and Colloid Chemistry)

SUBMITTED: 11Jan64

ENCL: 00

SUB CODE: GC

NO REF SOV: 008

OTHER: 009

ATD PRESS: 4021

Card 2/2

SARANSKIKH, I.

Contribution to the seven-year plan. Metallurg 8 no.3:37-39 Mr '63.
(MIRA 16:3)

1. Nachal'nik byuro po delam ratsionalizatsii i izobretatel'stvu
Zlatoustovskogo metallurgicheskogo zavoda.
(Zlatoust—Iron and steel plants)

SARANS'IKH, I.

At the front lines of technical progress. Metallurg 10
no.1:35-36 Ja '65. (MIRA 18:4)

1. Nachal'nik byuro po ratsionalizatsii i izobretatel'stvu
Zlatoustovskogo zavoda.

YANBOVTSKY, N.; 1965; 11

Creativity of imagination and technique. Metallurg 10 no.6.
37-38 Ja '65. (MIRA 18:6)

1. Zamestitel' nachalnika tekhnicheskogo otdela po novoy
tehnike 21a. 2. Nachalnika tekhnicheskogo otdela (for
Yanbovsky). 3. Nachalnika otdela tekhnicheskoy
informatsii. 4. Nachalnika otdela tekhnicheskoy
informatsii.

DZHUGOV, P.P.; SARANTSEV, A.P.

Rectifier for feeding SG-65 and Ra-69 automatic gamma radiometers.
Sbor.luch.rats.predl. pt. 2:31 '63. (MIRA 17:5)

KAL'NIK, V.N., inzh.-kapitan-leytenant; LEYBOVICH, A.G., kapitan 3-go
ranga; SARANTSEV, G.S., kapitan 2-go ranga

New methods of training specialists. Mor. sbor. 46
no.10:14-20 0 '63. (MIRA 18:12)

SARANTSEV, Petr Leont'yevich; SAVCHENKO, F.T., retsenzent; YATSENKO,
N.F., retsenzent; MAZURENKO, K.D., red.; PESKOVA, L.N., red.;
BOBROVA, Ye.N., tekhn. red.

[Geography of the transportation systems of the U.S.S.R.] Ge-
ografiia putei soobshcheniia SSSR. Izd. 2., perer. i dop. Mo-
skva, Transzheldorizdat, 1962. 233 p. (MIRA 15:10)
(Transportation)

FOMIN, V.G.; SARANTSEV, V.E.; SHCHEGOL'KOVA, L.A.; GUREVICH, M.A.

Scanning camera for studying dislocations. Prib. i tekhn.
eksp. 9 no.2:176-177 Mr-Ap'64. (MIRA 17:5)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy
institut redkometallicheskoj promyshlennosti.

L 20722-66

EPF(n)-2/EWP(j)/EWP(k)/EWT(d)/EWT(l)/EWT(m)/EWP(h)/ETC(f)/EWG(m)/T/EWP(l)/EWP(e)/

ACC NR: AP6007826

SOURCE CODE: UR/0120/66/000/001/0139/0143

EWP(v) IJP(c) AT/RM/WH/DJ

AUTHOR: Kozhukhov, I. V.; Muratov, Yu. V.; Rashevskiy, V. P.; Ryl'tsev, P. I.; Sarantsev, V. P.; Smirnov, Ye. V.

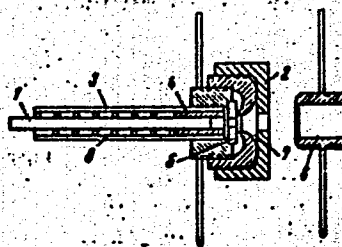
ORG: Joint Nuclear Research Institute (Ob'yedinennyy institut yadernykh issledovaniy)

TITLE: Use of a ^{21, 44, 55}plasma gun for producing ^{21, 44, 55}high electron-current peaks

SOURCE: Pribery i tekhnika eksperimenta, no. 1, 1966, 139-143

TOPIC TAGS: plasma gun, pulse shape

ABSTRACT: A new ⁴plasma-gun electron source (see figure) consists of three electrodes: discharge electrode 1, diaphragm 5, and extraction electrode 6 mounted on two stainless-steel disks. Plexiglas ⁴bushing (active material) is fed by spring 8 toward the gap as the bushing end is burned ⁶up. The discharge electrode is insulated by porcelain bushing 3. The tungsten diaphragm has a 1-mm port. Insulated cathode 2 is intended for improving the extraction conditions and focusing; its insulation is designed to withstand a working voltage of 30 kv. The



plasma-gun electron source

Card 1/2

UDC: 621.384.623

L 20722-66

ACC NR: AP6007826

stainless-steel cylindrical extraction electrode is grounded. When a +17-kv "trigatron" pulse is applied to the discharge electrode, a spark to the diaphragm evaporates some of the plexiglass and forms a plasma in chamber 7. An electric field extracts electrons from the plasma. An electron current of 200 amp was produced in 0.15-0.2-msec peaks when a constant d-c voltage was used for extraction. With a pulse extraction voltage (provided by a capacitor), an electron-current peak of 1 ka 10^{-5} sec has become possible. "In conclusion, the authors wish to thank P. F. Chernyayev for his great contribution to the construction of the experimental outfit."

Orig. art. has: 7 figures.

[03]

SUB CODE: 09 / SUBM DATE: 21Jul64 / ORIG REF: 002 / ATD PRESS: 4223

Card 2/2

GAVRUSEVA, Antonina Ivanovna; KONSTANTINOV, Ivan Yur'yevich; SARANTSEV,
Yu.S., red.; VOROB'YEVA, L.V., tekhn. red.

[New types of tank cars]Novye tsisterny. Moskva, Transzheldor-
izdat, 1962. 32 p. (MIRA 16:1)
(Tank cars)

ZOBNIN, Nikolay Pavlovich, prof., doktor tekhn.nauk; YUDIN, Daniil L'vovich, dots., kand.tekhn.nauk; SHISHKIN, Aleksey Alekseyevich, dots.,kand.tekhn.nauk; ROGOV, Aleksandr Yakovlevich, dots., kand.tekhn.nauk; REKUDANOV, P.N., kand.tekhn.nauk, retsenzent; SARANTSEV, Yu.S., inzh., red.; BOBROVA, Ye.N., tekhn. red.

[Metal cutting] Obrabotka metallov rezaniem. Izd.2. Moskva, Trans-
(MIRA 15:6)
zheldorizdat, 1962. 299 p.

1. Moskovskiy institut inzhenerov zheleznodorozhnogo transporta (for Zobnin, Yudin, Rogov). 2. Rostovskiy institut inzhenerov zheleznodorozhnogo transporta (for Shishkin).
(Metal cutting)

KASHCHEYEV, Nikolay Tarasovich; VALETOV, Aleksandr Ivanovich; KOMAROV,
Sergey Georgiyevich; POGORELYY, B.G., inzh., retsenzent;
SARANTSEV, Yu.S., inzh., red.; BOBROVA, Ye.N., tekhn. red.

[Manual on the structures and equipment of railroad car maintenance
and repair depots] Spravochnik po sooruzheniam i oborudovaniyu
vagonnogo khoziaistva. Moskva, Transzheldorizdat, 1962. 423 p.
(MIRA 15:6)

(Railroads-- Cars). (Railroads--Repair shops)

MEL'NIKOV, V.K.; SARANTSEVA, V.R.

[Lines of force of magnetic field] O silovykh liniakh magnitnogo polia. Dubna, Ob"edinennyi in-t iadernykh issl., 1962. 9 p. (MIRA 15:4)

(Magnetic fields)

NGUEN VAN KH'EU ; SARANTSEVA, V.R., tekhn. red.

[Angular distribution of the decay products of intermediate
vector mesons generated in the process $e^+ e^- \rightarrow B^+ B^-$] Uglyo-
voe raspredelenie produktov raspada promezhutochnykh vektornykh
mezonov v protsesse $e^+ e^- \rightarrow B^+ B^-$. Dubna, Ob"edinenyyi in-t
iadernykh issl., 1962. 5 p. (MIRA 15:3)
(Mesons--Decay) (Nuclear reactions)

BALDIN, A.M.; KOMAR, A.A.; SARANTSEVA, V.R.

Hypercharge and degeneracy in respect to isotopic spin. Dubna,
Ob"edinennyi in-t iadernykh issledovani, 1962. 4 p.

1. Lebedev Physical Institute. Moscow (for Komar).
(No subject heading)

OGIYEVETSKIY, V.I.; POLUBARINOV, I.V.; SARANTSEVA, V.R.[translator]

Quantum electrodynamics in terms of electromagnetic field strengths. Dubna, Oⁿedinennyi in-t iadernnykh issledovaniy, 1962. 8 p.

(No subject heading)

IVANTSOV, M.G.; SARANYUK, A.S., starshiy inzhener

Making girders designed by the Scientific Research Institute No.
200 N '60. Transp.stroi. 10 no.11;25-27 N '60. (MIRA 13:11)

1. Glavnyy inzhener tresta Ingozaptransstroy (for Ivantsov).
(Girders)

KOUTSKY, Jan, MUDr.; STRAUZ, A., MUC.; SARANOVICOVA, Jj., MUC.

Reflex precipitation of uterine contractions by mechanical irritation of the mammary areolae. Cesk. gyn. 21 no.5:289-294 Sept 56.

1. Gyn. por. klinika LFH Praha 12, prednosta doc. Dr. J. Padovec.

(UTERUS, physiology
contractions in labor, eff. of mechanical irritation
of mammary areolae (Cz))

(BREAST, physiology
eff. of mechanical irritation of areolae on uterine
contractility in labor (Cz))

(LABOR, physiology
uterine contractility, eff. of mechanical irritation of
mammary areolae (Cz))

SARANOVICOVA, L.
KOUTSKY, Jan; STRAUSS, Alexandr; SARANOVICOVA, Ljuba

Evaluation of the method of reflex stimulation of uterine contractions during labor. Cesk. gyn. 23[37] no.5:361-363 July 58.

1. Gyn. por. klinika fakultni nem. na Vinohradech, prednosta doc.
Doc. J. Padovec, J. K., Praha XII, Srobarova 50.

(LABOR, physiology

uterine contraction induction by reflex stimulation of
breasts(Cz))

(BREASTS, physiology

areolar stimulation in reflex induction of uterine contractions
in labor (Cz))

RUKHLINSKIY, N.; SARANTSEV, G.

Rights and functions of factory and local committees. Sov.profsoiuzy
6 no.14:59-64 0 '58. (MIRA 11:12)

1. Zamestitel' predsedatelya zavkoma Minskogo traktornogo zavoda
(for Rukhlinskiy).
2. Predsedatel' komiteta profsoyuza teplosilovogo
tsekha togo zhe zavoda (for Sarantsev)
(Trade unions)

L 59650-65 EWT(d)/EPA/EWP(f)/EPF(n)-2/EPR/T-2/EPA(bb)-2/ENP(I) Po-4/Paa-4/
Pq-4/Pg-4/ps-4/Pk-4/Pl-4 IJP(c) NW/BC
ACCESSION NO: AP5001127

3/0286/64/000/022/0076/0076 48

AUTHORS: Borodkin, V. L.; Sarantsev, K. B.; Shabashov, S. Z. B

TITLE: Remote starting device for gas turbines. Class 46, No. 166556

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 22, 1964, 78

TOPIC TAGS: gas turbine control; turbine starting, remote control, remote control system, servomechanism

ABSTRACT: This Author Certificate introduces a gas turbine starting device as described in Author Certificate No. 149280 (see Fig. 1 on the Enclosure). To close automatically the working fluid inlet valve and to decouple the turbine expansion engine from the turbine shaft, a speed regulator is installed in the hydraulic supply line to the valve servomotor. This speed regulator connects the line to the drain when the turbine reaches operating speed, while the servomotor of the valve is equipped with a terminal shut-off which is connected to the electromagnetic circuit of the slide valve. To provide a warning for the turbine expansion engine disconnect, an alternate version has a slider valve connected in the hydraulic supply line to the clutch servomotor. This slider valve is mechanically

Card 1/3

I 59650-65

ACCESSION NR: AP5001127

connected to the valve rod and only actuates the supply line after the valve is closed. Orig. art. has: 1 figure.

ASSOCIATION: none

SUBMITTED: 21Nov63

SUB CODE: PR

NO REF SOV: 000

ENCL: 01

OTHER: 000

2/3

L 59650-65
ACCESSION NR: AP5001127

ENCLOSURE: 01

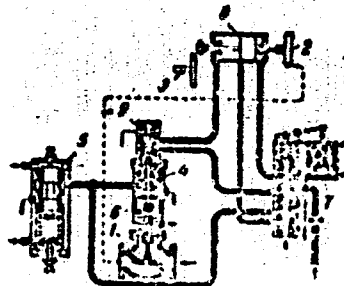


Fig. 1.

1- working fluid inlet valve; 2- turbine expansion engine; 3- turbine shaft; 4- supply valve servo-motor; 5- speed regulator; 6- terminal shut-off; 7- electromagnetic spool valve; 8- servomotor; 9- slider valve.

3/3 ddp

SHOL'CHEV, V.; SARANTSEV, L.

Improving the Fronichev training apparatus. Kryl. rod. 11
no.12:16 D '60. (MIRA 14:3)
(Parachuting)

SARANTSEV, N.M. et al.

Manual of Aerophotosurveying, NKZ RSFSR (1934)

SARANTSEV, N. M.

PHASE I

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 416 - I

BOOK

Call No.: AF627431

Author: BONCH-BRUYEVICH, M. D., Dr. of Techn. Sci., Ed.

Full Title: AERIAL PHOTOGRAPHY OF CITIES AND CITY SETTLEMENTS

Transliterated Title: Aerofotos"yemka gorodov i gorodskikh poselkov

Publishing Data

Originating Agency: None

Publishing House: Publishing House of the Ministry of Communal Economy of the RSFSR

Date: 1953

No. pp.: 355

No. of copies: 5,000

Editorial Staff

Editor: Bonch-Bruyevich, M. D.

Tech. Ed.: None

Editor-in-Chief: None

Appraiser: None

Others: Separate chapters were written by: Deyneko, V. F. (Introduction, Chapters II, III, VI, VII and X); Sarantsev, N. M. (Ch. I); Rudakov, A. Ye. (Ch. IV); Tolgskiy, V. S. and Butler, S. A. (Ch. V and IX); Yermeyev, V. S. (Ch. VIII); Sokolova, N. A., Recipient of the Stalin Prize (Ch. XI).

Text Data

Coverage: This is a handbook in which the processes of aerial surveying and photography are outlined, particularly their application in mapping cities and city settlements from aerial photography negatives. The main emphasis is on procedures in taking aerial photographs, processing the negatives and interpreting the positives. Equipment for making negatives (cameras, lenses

1/3

Aerofotos"yemka gorodov i gorodskikh poselkov

AID 416 - I

and mounts) as well as for processing negatives and mapping (rectifiers, copy cameras, multiplex) is outlined only very briefly without giving any detailed information. Many tables are of practical help for those who engage in picture taking and analytical processing of negatives. However, no new or special methods could be found in this manual. Tables, diagrams.

SARANTSEV, M.

Hydraulic lifts on Stalingrad sliuces. Rech. transp. 19 no.10:
43-45 0 '60. (MIRA 13:11)

1. Starshiy mekhanik Stalingradskogo shlyuza.
(Stalingrad--Sliuces)

SARANTSEV, P.L., kandidat ekonomicheskikh nauk.

Prospective development of the railroad system in the Kuznetsk
Basin. Zhel. dor. transp. 38 no.9:45-48 S '56. (MLRA 9:10)

(Kuznetsk Basin--Railroads)

SABANTSEV, Petr Leont'yevich; KHAZAN, D.I., inzhener, red.; BOBROVA, Ye.N.,
tekhn.red.

[The geography of transportation lines] Geografiia putei soobshchenia.
Moskva, Gos.transp.zhel-dor.izd-vo, 1957. 255 p. (MIRA 10:12)
(Transportation) (Geography, Economic)

SARANTSEV, V.P.
VAVILOV, Yu.N.; NIKOL'SKIY, S.I.; SARANTSEV, V.P.

Space distribution of nuclear active particles in extensive atmospheric cosmic ray showers. Zhur. eksp. i teor. fiz. 28 no.4: 505-506 Ap '55. (MIRA 8:6)

1. Fizicheskiy institut im. P.N.Lebedeva Akademii nauk SSSR.
(Cosmic rays) (Particles, Elementary)

ANTONOV, Yu.N.; ZINOV'YEV, L.P.; KOZHUKHOV, I.V.; RASHEVSKIY, V.P.;
SARANTSEV, V.P.; CHZHAN Chzhun-mu [Chang Chung-mu].

[Focusing and adjusting the injector beam of a linear ac-
celerator] Fokusirovka i iustirovka puchka inzhektora linei-
nogo uskoritelia. Dubna, Ob"edinennyi in-t iadernnykh issl.,
1961. 19 p. (MIRA 15:1)

(Particle accelerators)

SERAFIMOVICH, V.S., kand.tekhn.nauk; SARANTSEV, Yu.S., red.; KHITROV, P.A.,
tekhn.red.

[Automatic control of the lever transmission of cars] Avtomati-
cheskii regulator rychashnoi peredachi vagonov. Moskva, Gos.transp.
zhel-dor.izd-vo, 1959. 42 p. (MIRA 14:3)
(Railroads--Brakes)

VINOGRADOV, G.P.; KOGAN, L.A.; TRESHCHALIN, I.M.; SARANTSEV, Yu.S., red.;
BOBROVA, Ye.N., tekhn.red.

[Selecting parameters and efficient designs for freight cars]
Vybor parametrov i konstruktivnykh skhem gruzovykh vagonov.
Moskva, Izd-vo poligr. ob"edinenie m-va soob., 1960. 190 p.
(Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut
zheleznodorozhnogo transporta. Trudy, no.189)
(Railroads--Freight cars)

ALBEGOV, Nikolay Aleksandrovich; LATYSHEV, Konstantin Vasil'yevich;
USPENSKIY, Viktor Konstantinovich; FOKIN, Mikhail Dmitriyevich;
YASENTESEV, Viktor Filippovich; SARANTESEV, Yu.S., red.; BOBROVA,
Ye.N., tekhn.red.

[Electropneumatic brakes] Elektropnevmaticheskie tormoza. Izd.2.,
perer. i dop. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va
putei soobshcheniia, 1960. 207 p. (MIRA 13:9)
(Railroads--Brakes)

POGORELYI, Boleslav Grigor'yevich; SARANTSEV, Yu.S., red.;
VOROTNIKOVA, L.F., tekhn. red.

[Organization of freight car maintenance and repair in the depot; practices of the car depot of the Liublino Station of the Moscow Railroad] Organizatsiia remonta gruzovykh vagonov v depo; opyt raboty vagonnogo depo stantsii Liublino Moskovskoi dorogi. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1961. 75 p. (MIRA 15:1)
(Railroads--Freight cars--Maintenance and repair)

KOROLEV, Aleksandr Nikiforovich; POPOV, Aleksandr Ivanovich; SIZOV,
K.P., inzh., retsenzent; YAKOVLEV, I.N., inzh., retsenzent;
SARANTSEV, Yu.S., inzh., red.; VOROTNIKOVA, L.F., tekhn. red.

[Economics, organization, and planning of railroad car operation]
Ekonomika, organizatsiia i planirovanie vagonnogo kho-
ziaistva. Moskva, Transzheldorizdat, 1962. 290 p.
(MIRA 15:12)

(Railroads—Rolling stock)

SKRIPKIN, Viktor Vasil'yevich; NEKRUTMAN, Semen Veniaminovich;
BELYASOVA, L.P., inzh., retsenzent; LYSENKO, N.Ye., inzh.,
retsenzent; BAKRADZE, Yu.M., inzh., retsenzent; SARANTSEV,
Yu.S., inzh., red.;USENKO, L.A., tekhn. red.

[Electric equipment of refrigerator cars]Elektrooborudo-
vanie izotermicheskogo podvizhnogo sostava. Moskva, Trans-
zheldorizdat, 1962. 294 p. (MIRA 15:9)

(Refrigerator cars—Electric equipment)

MORDVINKIN, Nikolay Aleksandrovich; ALEKSEYEV, V.D., retsenzent;
ANISIMOV, P.S., retsenzent; SARANTSEV, Yu.S., red.;
MEDVEDEVA, M.A., tekhn. red.

[Inspection and repair of cars in trains] Osmotr i remont
vagonov v poezdakh. Moskva, Transzheldorizdat, 1963. 245 p.
(MIRA 16:5)

(Railroads--Cars--Maintenance and repair)

BOYKO, Fedor Ivanovich; DANILOV, Valentin Ivanovich; SHAKURSKIY, K.D.,
inzh., retsenzent; SARANTSEV, Yu.S., inzh., red.; VOROTNIKOVA,
L.F., tekhn. red.

[Repair of provispry No.270-002 air distributors] Remont voz-
dukhoraspredelitelei USL. No.270-002; opyt kontrol'nogo pun-
kta avtotormozov stantsii Sverdlovsk-Sortirovochnyi. Moskva,
Transzheldorizdat, 1963. 41 p. (MIRA 16:4)
(Air brakes--Maintenance and repair)

SHIBER, R.A.; KRUGLIY, G.T.; BAZHOV, I.S., inzh., retsenzent;
SAMOKHVALOV, S.F., inzh., retsenzent; FEDOROV, V.A., inzh.,
retsenzent; KRUPNOV, S.A., inzh., retsenzent; YESHCHIN,
S.B., inzh., retsenzent; SARANTSEV, Yu.S., inzh., red.;
KHITROVA, N.A., tekhn. red.

[Design, maintenance and repair of railroad cars] Ustroistvo
i remont vagonov. Moskva, Transzheldorizdat, 1963. 395 p.
(MIRA 16:6)

(Railroads—Cars)

SHCHERBAKOV, V.P., inzh.; RABINOVICH, A.B., inzh.; TYMINSKIY, P.A.,
inzh., retsenzent; ~~SARANTSEV, Yu.S.~~, inzh., red.
MEDVEDEVA, M.A., tekhn. red.

[Manual for the conductor of passenger cars] Rukovodstvo
provodniku passazhirskikh vagonov. Izd.5., perer. i dop.
Moskva, Transzheldorizdat, 1963. 310 p. (MIRA 16:9)
(Railroads--Passenger cars)

VLADIMIRSKIY, T.A. doktor tekhn. nauk, prof.; ZHARKOV, A.F.;
MEL'NIKOV, O.Ye.; SELIVANOV, K.V.; SHVYLPOV, A.K.;
SARANTSEV, Yu.S., inzh., red.; USENKO, L.A., tekhn. red.

[Use of gas-pressure welding on the railroads of the
U.S.S.R.] Gazopressovaya svarka na zheleznnykh dorogakh
SSSR. Moskva, Transzheldorizdat, 1963. 157 p.

(MIRA 16:8)

(Gas welding and cutting) (Railroads--Maintenance and repair)

BARSKIY, M.R.; ZVORYKIN, M.L.; SURGUCHEV, I.V.; CHERKEZ, V.M.;
SHENDEROVICH, M.Ye., retsenzent; SARANTSEV, Yu.S., red.;
USENKO, L.A., tekhn. red.

[Electric equipment and air-conditioning systems for passenger cars] Elektrooborudovanie i konditsionirovanie ovzdukh passazhirskikh vagonov. [By] M.R.Barskii i dr. Moskva, Transzheldorizdat, 1963. 234 p. (MIRA 16:12)
(Railroads--Passenger cars--Air conditioning)
(Railroads--Electric equipment)

SHKOL'NIK, L.M., kand. tekhn. nauk; BERESTOVOY, Ye.I., inzh.,
retsenzent; SARANTSEV, Yu.S., inzh., red.; KHITROVA,
N.A., tekhn. red.

[Increasing the strength of the axles of the rolling
stock] Povyshenie prochnosti osei zheleznodorozhnogo
podvizhnogo sostava. Moskva, Izd-vo "Transport," 1964.
223 p. (MIRA 17:3)

ALBEGOV, Nikolay Aleksandrovich; USPENSKIY, Viktor Konstantinovich;
FOKIN, Mikhail Dmitriyevich; YASENTSEV, Viktor Filippovich;
SARANTSEV, Yu.S., inzh., red.

[Electropneumatic brakes] Elektropnevmaticheskie tormoza.
Izd.3., perer. i dop. [By] N.A.Albegov i dr. Moskva, Izd-
vo "Transport," 1964. 194 p. (MIRA 17:6)

KARYAGINA, Nina Stepanovna; MEDVEDEV, Valerian Vasil'yevich;
SARANTSEV, Yu.S., red.

[Labor protection in car operation, maintenance and re-
pair] Okhrana truda v vagonnom khoziaistve. Moskva, Izd-
vo "Transport," 1964. 207 p. (MIRA 17:8)

LAZARYAN, Vsevolod Arutyunovich; SARANTSEV, Yu.S., red.

[Dynamics of railroad cars; stability of motion and vibrations] Dinamika vagonov; ustoichivost' dvizheniia i kolebaniia. Moskva, Izd-vo "Transport," 1964. 254 p.
(MIRA 17:6)

NAUMOV, V.I.; PASHKEVICH, M.Yu.; KROPANEV, Yu.S.; SARANTSEV, Yu.S., red.

[Design and construction of freight boxcars using polymeric materials] Konstruktsii krytykh gruzovykh vagonov s primeneniem polimernykh materialov. Moskva, Transport, 1964. 154 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no.284). (MIRA 18:1)

ZYUZIN, Ivan Ivanovich; VAKULENKO, Sergey Mikhaylovich; SARANTSEV,
Yu.S., red.

[Organization and technology of the repair of freight cars;
work practices of the Taiga Station depot of the Western
Siberia Railroad] Organizatsiia i tekhnologiya remonta gru-
zovykh vagonov; opyt raboty vagonnogo depo st. Taiga Zapadno-
Sibirskoi dorogi. Moskva, Transport, 1964. 74 p.
(MIRA 17:9)

NIKOL'SKIY, L.N., doktor tekhn. nauk, prof.; LAZARYAN, V.A.,
doktor tekhn. nauk, prof., retsenzent; SARANTSEV, Yu.S.,
inzh., red.

[Friction shock absorbers; their design and construc-
tion] Friksionnye amortizatory udara; raschet i
konstruirovaniye. Moskva, Mashinostroenie, 1964. 170 p.
(MIRA 17:12)

SHCHERBAKOV, Var'kov Pavlovich, inzh.; RABINOVICH, Anisim Borisovich,
inzh.; SARANTSEV, Yu.S., red.

[Manual for the conductor of passenger cars] Rukovodstvo pro-
vodniku passazhirskikh vagonov. Izd.6., perer. i dop. Mo-
skva, Transport, 1965. 351 p. (MIRA 18:6)

AKSENOV, N.D., kand. tekhn. nauk; FIALKOVSKAYA, T.A., kand. tekhn.
nauk, retsenzent; SARANTSEV, Yu.S., inzh., red.

[Labor safety in painting large objects] Okhrana truda pri
okraske krupnogabaritnykh izdelii. Moskva, Mashinostroenie,
1965. 129 p. (MIRA 18:4)

KOLOTUKHIN, Ivan Nikiforovich; KUZNETSOV, Vasilii Georgiyevich;
KAZARNOVSKIY, Semen Naumovich; TSAREGRADSKIY, Vladimir
Alekseyevich; SARANTSEV, Yu.S., red.

[Lubricating and protective materials] Smazochnye i zashchit-
nye materialy. Izd.3., perer. i dop. [By] I.N.Kolotukhin,
i dr. Moskva, Transport, 1965. 171 p. (MIRA 18:4)

MOROZOV, I.A.; GAMEROV, S.L.; CHERNYSHEV, A.F.; DOLMATOV, A.A.,
kand. tekhn. nauk, retsenzent; SARANTSEV, Yu.S., inzh.,
red.

[All-metal passenger cars] Tsel'nometallicheskie passazhir-
skie vagony. Moskva, Mashinostroenie, 1965. 254 p.
(MIRA 18:9)

PETROVA, Stella Vladimirovna; VOLKOVA, Nina Mikhaylovna; SARANTSEVA,
L.S., retsenzent; IGNATOVA, G.I., retsenzent; RYCHKOVA,
O.I., red.

[Technology of the tailoring of men's suits] Tekhnologiya
poshiva muzhskikh kostiumov. Moskva, Legkaia industriia,
1964. 269 p. (MIRA 19:1)

SARAP, A.A. (Tallin)

Public health in Soviet Estonia. Sov. zdav. 20 no.12:46-51
'61. (MIRA 15:6)

1. Chlen kollegii Ministerstva zdavookhraneniya Estonskoy
SSR.

(ESTONIA--PUBLIC HEALTH)

SARAPATA, Adam

Men in enterprises; a conference of the Polish Economic Society.
Praca zabezp spol 3 no.8/9:56-58 '61.

SARAPATA, J.

Moscow, Nedovizna Veterinarnyina, Vol 18, No 4, April 1962.

1. "African Hog Cholera (Hemorrhagic Disease)." Tadewsz JASTRZEBSKI: pp 193-197.

2. "Field Diagnosis of Ser. agalactiae Using the Heiler Method." J. WISNIEWSKI, St. KADRYSKI, and A. GRAYE-SKA of the General Office of Animal Hygiene (Zaklad Higieny Zwierzat) of the Institute for Veterinary Research (Instytut Weterynaryjny) at Bydgoszcz (Director: Professor Dr. Jerzy WISNIEWSKI) of the Zootechnical Institute (Instytut Zootechniczny) at Krakow, and of the VWR (Wojewodzki Zaklad Higieny Weterynaryjnej) at Wloclawek (Director: Professor Dr. J. WISNIEWSKI) at Bydgoszcz: pp 197-201 (English summary).

3. "Cases of Anthrax Disease in Slaughter Pigs, White Boars, and Horses." J. WISNIEWSKI and Jerzy SZAF-LANSKI of the VWR at Wloclawek (Director: Prof. Dr. Jerzy WISNIEWSKI): pp 201-204.

4. "Intranasal Immunization of Chickens Against Newcastle Disease Using the Strains NDV, LaSota, and F." Wanda BOROWSKA of the Research Office for Poultry Diseases (Zaklad Chorozych Ptakow, Main School of Rural Economy) at Wroclaw (Director: Professor Dr. Kazimierz MARCIN): pp 205-207 (English summary).

5. "Notes on the Serodiagnosis of Brucellosis of Sheep." Leopold UGORSKI of the VWR at Wroclaw (Director: Dr. L. UGORSKI): pp 207-209 (English summary).

6. "Hemolytic Reaction and Blood Picture in Cattle Infected with Tuberculosis." Antoni DZIALA and Zofia MARCINKOWSKA of the Chair of Bacteriology (Katedra Bakteriologii) of the Faculty of Veterinary Science (Wydzial Weterynaryjny) of the SGGW at Warsaw (Director: Prof. Dr. A. SZYMANSKI) and (Small-animal Disease Research Office (Zaklad Chorozych Zwierzat) of the Faculty of Veterinary Science of SGGW at Warsaw (Director: Professor Dr. W. STANISLAWSKI): pp 210-211.

7. "Isolation of Sheep in a Bait-Suffering from Tuberculosis." Antoni DZIALA and Jan SARAPATA of the Chair of Bacteriology (Katedra Bakteriologii) of the Faculty of Veterinary Science of the Higher School of Agriculture (WSR, Wyzsza Szkola Rolnicza) at Wroclaw (Director: Prof. Dr. Tadewsz JASTRZEBSKI): pp 211-212.

1/3

ABYLGAZIN, M.; ~~SARAPAYEV, A.~~ GRIGOR'YEV, G.

Greater efficiency in auditing. Fin.SSSR 17 no.4:61-63 Ap '56.
(MLRA 9:8)

(Auditing)

SARAPIN, I.G., inzhener.

Experience in producing reinforced concrete elements and products
in construction yards. Bet.1 shel.-bet. no.3:92-96 Jo '55.
(Reinforced concrete) (MLRA 9:1)

PHASE I BOOK EXPLOITATION

1004

Sarapin, Iosif Godelevich, Engineer

Izgotovleniye krupnorazmernykh zhelezobetonnykh konstruktov i detaley stendovym sposobom (Production of Large Size Reinforced Concrete Structures and Members by the Prefabrication Methods) Moscow, Gosstroyizdat, 1958. 166 p. 10,000 copies printed.

Scientific Ed.: Rudenko-Morgun, I.Ya., Candidate of Technical Sciences; Ed.: Gordeyev, P.A.; Tech. Ed.: Person, M.N.

PURPOSE: This book is intended for construction engineers and technicians of planning organizations and of enterprises which produce prefabricated reinforced concrete sections.

COVERAGE: The author discusses the production of large size reinforced concrete structures by the prefabrication method for residential and industrial construction. He also discusses the production of reinforced concrete structures and members in the USSR, in the Peoples' Republics, and in capitalist countries. The author adds that according to the Directive of the XXth Congress of the Communist Party of the Soviet Union the 1960 production of prefabricated reinforced concrete structures must surpass that of 1955 six times, and that the 1960 production of prestressed

Card 1/4

Production of Large Size Reinforced Concrete (Cont.) 1004

reinforced concrete structures, the production of which requires 2 - 3 times less metal than ordinary reinforced concrete, must comprise 25 percent of the overall volume of production of sectional reinforced concrete. Recognition is given to Candidate of Technical Sciences G.K. Khaydukov for his help in writing this book. There are 49 references, all Soviet.

TABLE OF CONTENTS:

Introduction	3
Ch. I. A Short Historical Review of the Development of Prefabrication of Large Size Reinforced Concrete Structures and Members	5
Ch. II. The Characteristics of Basic Large Size Reinforced Concrete Structures and Members	11
1. Construction of residential homes and housing projects	11
2. Construction of industrial buildings	22
Ch. III. Prefabrication of Large Size Structures and Members from Ordinary Reinforced Concrete	36

Card 2/4

97-58-5-11/14

AUTHOR: Sarapin, I.G., Engineer

TITLE: Acceleration of the Hardening of Concrete Based on Rapid Hardening Cement with Additives of Calcium Chloride. (Uskorenīye tverdeniya betona prigotovlennogo na bystrotverdeyushchem tsemente s dobavkoy khloristogo kal'tsiya)

PERIODICAL: Beton i Zhelezobeton. 1958. No. 5. USSR Pp. 195-196.

ABSTRACT: The most important problem in increasing output and reducing the cost of precast reinforced concrete constructions is the abbreviation of the curing period. A reduction in the setting period of the concrete could be achieved by using rapid hardening cement (BTTs) Rapid hardening Portland cement test cubes made from 1-3 mix should have a strength not less than 200kgs per cm^2 after striking, not less than 300kgs per cm^2 after three days and not less than 500-600 kgs per cm^2 after 28 days. Tests carried out in NIITSement by Candidate of Technical Science G.I. Gorchakoy showed that under normal conditions of hardening and when 350kgs per m^3 cement was used the strength of the concrete was after one day's hardening 213kgs per cm^2 . In 1957 the author carried out investigations in steam curing of test cubes made from concrete Mark 200 with a water/cement ratio equal to 0.55

Card 1/3

97-58-5-11/14

Acceleration of the Hardening of Concrete Based on Rapid Hardening Cement with Additives of Calcium Chloride.

and with the use of rapid hardening cement from Nikolayev cement works and an additive of 2% calcium chloride by weight of cement. According to NIITSement the mineralogical composition of clinker in the cement is C_3S - 62, C_2S - 14, C_3A - 9, C_4AF - 12%. The curing of test cubes was carried out by steam. The values in compression of these tests were taken 3-4 hours after completion of curing. Figure 1 illustrates graphs of optimal temperatures during which hardening of concrete Mark 2 took place. This diagram shows that curing of concretes containing rapid hardening cement with 2% additive of calcium chloride achieves high strength in a very short time 6-8 hours. When overheated steam was used the cubes reached 80-90% of the final strength in 28 days and when "combined" curing was used the strength was 90-100% after 28 days. Further tests were carried out under normal conditions of curing with concrete Mark 200 made from rapid hardening cement but without the additive and the results of these tests are illustrated in

Card 2/3

97-58-5-11/14

Acceleration of the Hardening of Concrete Based on Rapid Hardening
Cement with the Additive of Calcium Chloride.

in diagrams in Figure 2. A comparison of these two types of
concrete show that the additive of calcium chloride shortens
the initial setting period by 2-2.5 times and in 36 hours it
reaches 70% of 28 days strength and in 72 hours it reaches
90% of 28 days strength. There are two Figures.

1. Concrete--Hardening 2. Concrete--Materials

Card 3/3

AUTHOR: Sarapin, I. G. (Eng.) SOV/97-58-7-6/10

TITLE: Manufacture of Keramzit-Concrete Wall Panels for Blocks of Flats. (Opyt izgotovleniya keramzitobetonnykh stenovykh paneley zhilykh domov).

PERIODICAL: Beton i Zhelezobeton, 1958, Nr.7. pp. 266 - 269. (USSR)

ABSTRACT: It was found that large wall panels from Keramzit-concrete could be used very effectively as facing panels for blocks of flats. Concrete made from Keramzit based on Aleksinskiye clays has a volumetric weight of $1,000 \text{ kg/m}^3$ which allows a reduction in thickness of external walls to 300 mm instead of 400 mm. It is, therefore, necessary to supply factories making Keramzit-concrete building units with good quality Keramzit material. When a large Keramzit-concrete panel weighing more than 5-ton is cast, it is advocated that the casting should be done on a stand face down in reinforced concrete heated forms, and finally steam-cured. Factory No.10 of Glavmoszhelezobeton commenced production of Keramzit-concrete panels during 1957. The construction of these panels was carried out with the assistance of SAKB APU of Mosgorispolkom. These panels were used for five-storey high blocks containing 80 flats. The types of

Card 1/3

SOV/97-58-7-8/10

Manufacture of Keramzit-Concrete Wall Panels for Blocks of Flats.

slabs were P-07-04 series P-07. Fig.1 illustrates Keramzit-concrete facing panels with one window type NO-24-1. Up to 1958 the Beskulnovskiy factory was producing Keramzit with a volumetric weight of 700 kg/m^3 . The volumetric weight of Keramzit-concrete was $1,200 - 1,300 \text{ kg/m}^3$ when hardened. In 1958 the Glavmoszhelezobeton factory received high quality Keramzit with a specific weight of $300 - 400 \text{ kg/m}^3$, manufactured from Aleksinskaya clay. The volumetric weight of this high quality Keramzit, when dried, was approximately $1,000 \text{ kg/m}^3$; on that account a further reduction in thickness of the wall panels could be achieved. Concrete mixer S-355, manufactured by the Slavyanskii factory, with a capacity of 500 litre, is used for the preparation of Keramzit-concrete mix. Test cubes of Keramzit-concrete $20 \times 20 \times 20 \text{ cm}$ showed strength of $1,350 \text{ kg/cm}^2$ after three-four hours of steam-curing. The author, in conjunction with NIL of Glavmoszhelezobeton, worked out the casting process for facing panels from stiff Keramzit-concrete mix and their consolidation by vibration. The following specialists were also involved: A. Ya. Libman, A. N. Zlotnikova, N. I. Novitskiy, V. I. Seredinin and N. Ya. Papirov

Card 2/3

SOV/97-58-7-6/10

Manufacture of Keramzit-Concrete Wall Panels for Blocks of Flats.

Fig.2 shows scheme of a workshop manufacturing facing panels. Fig.3 illustrates form for casting facing panels with one window perforation NO-36-1. Fig.4: lowering of lid with attached vibrating machine on form during the manufacture of Keramzit-concrete panel type NO-24-1. Fig.5: tooling of internal face of the panel type NO-24-1. Fig.6: removal of the above panel from formwork. Figs. 7 and 8 illustrate the transportation of finished products. In 1958 the No.10 Factory of Glavmoszhelezobeton should produce 23,000 m³ of Keramzit-concrete wall panels which corresponds to 50,000 m² of habitable floor area. There are 9 Figures.

1. Construction materials--Production
2. Concrete--Performance
3. Reinforced concrete--Applications

Card 3/3

SARAPIN, I.G., inzh.

Corrosion of wire reinforcements in heavy concretes with calcium chloride additives. Prem. stroi. 36 no.12:21-23 D '58. (MIRA 12:1)

(Reinforced concrete) (Corrosion and anticorrosives)

SARAPIN, Iosif Godelevich, kand.tekhn.nauk; SHAKHOVA, L.I., red.;
NESMYSLOVA, L.M., tekhn.red.

[Training concrete workers and molders, reinforcers and construction machinery drivers by individual and group instruction] Podgotovka betonshechiv-formovshchikov, armaturshchikov i motoristov stroitel'nykh mashin metodom individual'no-brigadnogo obucheniia. Moskva, Vses.uchebno-pedagog.izd-vo Proftekhizdat, 1961. 41 p.

(MIRA 15:5)

1. Direktor Moskovskogo zavoda zhelezobetonnykh izdeliy No.10
(for Sarapin).

(Building trades--Study and teaching)

SARAPIN, Iosif Godelevich, kand. tekhn. nauk; KRYUKOV, R.V., kand.
tekhn. nauk, nauchnyy red.; YEMEL'YANOVA, M.D., red.izd-
va; GOL'BERG, T.M., tekhn. red.

[Manufacturing keramzit-concrete wall panels for completely
prefabricated apartment houses] Proizvodstvo keramzitobeton-
nykh stenovykh panelei dlia polnosbornogo domostroeniia.
Moskva, Gosstroizdat, 1963. 134 p. (MIRA 16:8)
(Walls)

SARAPIN, I.G., kand. tekhn. nauk; KONDRAT'YEV, M.I., inzh.

Fixing the duration of the vibration compaction of keramzit
concrete mixes during the casting of products. Stroi. mat.
11 no.4:36-37 Ap '65. (MIRA 18:6)

SARAPIN, P. (g. Moskva)

Rapid development of the building industry. NT0 no.1:9 Ja '59.
(MIRA 12:2)

1. Direktor zavoda zhelezobetonnykh izdeliy No.10.
(Moscow--Reinforced concrete construction)

SARAPKIN, P. S.

Hysteresis

Hysteresis losses in strongly rotating magnetic fields. Izv. AN SSSR. Ser. fiz. 16, No. 6, 1952.

Single-crystal sample of Boguslovka iron (Fe 94%, Ni 5.5%, Co0.5%) was tested by telerecorder on photofilm. Hysteresis losses could not be avoided even in fields reaching 19,000 oersteds.

251T25

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

KORSHUNOV, A.V.; SARAPKIN, P.S.

Changes in the width of lines in the Raman spectra of bromoform and chloroform during the transition from the solid to the liquid state. Trudy Sib.tekh.inst. no.24:13-17 '59. (MIRA 14:3)
(Raman effect) (Bromoform--Spectra) (Chloroform--Spectra)

S/058/62/000/002/004/053
A058/A101

AUTHORS: Korshunov, A. V., Sarapkin, P. S.

TITLE: Raman spectra of anomalously miscible organic crystals

PERIODICAL: Referativnyi zhurnal, Fizika, no. 2, 1962, 35, abstract 2V266
("Tr. Sibirsk. tekhnol. in-ta", 1959, v. 24, 18-23)

TEXT: For the purpose of studying regularities in the vibrations of crystal lattices, the Raman spectra of the following mixed naphthalene (I) and diphenyl (II) crystals were investigated in the low-frequency range (40 - 120 cm^{-1}): 90% (I) + 10% (II), 80% (I) + 20% (II), 20% (I) + 80% (II) and 10% (I) + 90% (II). The crystal growing was effected from melts by the method of the drawn out-capillary tube. It took several months to grow the single crystals. The spectra of 90% (I) and 80% (I) mixed crystals resemble the spectrum of pure (I), from which they differ by a somewhat lower value of frequencies. An analogous effect takes place in the spectra of 90% (II) and 80% (II) as compared with the spectrum of (II), but in this case line frequencies are increased. It is assumed that the investigated mixed crystals have a lattice that is quasi-structural with the lattice of the fundamental component.

V. Pivovarov

[Abstracter's note: Complete translation]

Card 1/1

L 1300-66 EWI(m)/EPE(c)/EWP(j)/T RM

ACCESSION NR: AR5014391

UR/0058/65/000/004/D028/D028

SOURCE: Ref. zh. Fizika, Abs. 4D209

AUTHOR: Shufledovich, V. I.; Solov'yev, L. S.; Kuz'mina, Z. M.; Iekoshnova, N. S.; Sarapkin, P. S.; Korshunov, A. V.; Finkel'shteyn, A. F.

TITLE: Some spectral characteristics of the side chains in furane compounds

CITED SOURCE: Sb. Spektroskopiya. M., Nauka, 1964, 118-120

TOPIC TAGS: spectrographic analysis, Raman spectrum, IR spectrum, furane resin, aldehyde, conjugate bond system, alkyl radical

TRANSLATION: The authors studied the effect of the furane ring on the position of the stretching vibration bands of CH_3 , C=O and C=C groups in the Raman and IR spectra of 6 furane derivatives. The frequencies of the fundamental bands in the spectra of these compounds are given in the $4050\text{--}216\text{ cm}^{-1}$ range. The position of symmetric and skew-symmetric stretching vibration bands in CH_3 groups in the spectra of furfurylidene acetone, sylvan and 1-(α -furyl)-butanone-3 is practically the same as the ordinary position of the bands for this group. The position of stretching

Card 1/2

L 1300-66

ACCESSION NR: AR5014391

vibration bands for C=O ($1660-1685\text{ cm}^{-1}$ in the spectra of the two latter compounds) indicates that conjugation of this bond with the furane ring results in the same effects as conjugation with one double bond. / Yu. Kissin.

SUB CODE: OC, OP

ENCL: 00

mlr
Card 2/2

SMIRNOV, B.V.; SARAPKIN, V.V.

Formation and nature of interference in 0.4 to 35 kv.
power lines. Elektrosiaz' 14 no.7:56-74 J1 '60.

(MIRA 13:7)

(Radio--Interference)

(Electric lines--Overhead)

SMIRNOV, B.V., kand.tekhn.nauk; SARAPKIN, V.V., inzh.

Study of interference in rural 0,4 to 35 kv. electric power distribution networks. Nauch. trudy VIESKH 7:164-194 '60.

(MIRA 15:8)

(Rural electrification) (Electric power distribution)

S/106/63/000/004/008/008
A055/A126

AUTHOR: Sarapkin, V.V.

TITLE: Interferences from partial discharges on insulators of 0.4 - 35 kv electric lines

PERIODICAL: Elektrosvyaz', no. 4, 1963, 61 - 69

TEXT: After explaining the mechanism of the formation of a system of pulses generated by partial discharges on three-phase line insulators, the author examines the structure of the spectrum of the h-f interferences due to these pulses, i.e., the dependence of the spectrum structure on the number of pulses (in the train), on the fluctuation of the amplitude, on the duration of the pulses and on the moment of their appearance. This analysis consists of 4 parts:
a) Structure of the components under ideal conditions: The simplest system of pulses occurs when

$$U_{z \min} = U_{\text{phase max}} \quad (6)$$

$U_{z \min}$ being the minimum ignition voltage of "gas-discharge elements". Assum-

Card 1/3

S/106/63/000/004/008/008
A055/A126

Interferences from partial discharges on

ing that the amplitude U and the duration t_u of the pulses are the same, and expanding the periodical sequence of pulses into a Fourier series, the author finds the following expression of the instantaneous value of the n -th component:

$$a_n = \frac{4U}{n\pi} \sin n \frac{\pi t_u}{T} \cos n \frac{2\pi}{T} t, \quad (7)$$

where T is the pulse repetition period. Under more complicated conditions and under the assumption that the pulses have the same amplitude U for both polarities of the high voltage, that their duration t_u is the same, and that each train contains the same number m of pulses situated at equal time-intervals Δt , the expression for a_n is:

$$a_n = \frac{4U}{n\pi} \sin n \frac{\pi t_u}{T} \sum_{m=1}^1 (m_1 - m_{1-2}) \cos n \frac{\pi (m - 1) \Delta t}{T} \quad (8)$$

with either $m = 1, 3, 5, \dots, 1$ or $m = 2, 4, 6, \dots, 1$. This expression is discussed. b) Structure of the components of a periodical sequence of pulses having a random amplitude $U_g(t)$: Under the condition (6) and assuming that the pulses emerge at equal time-intervals, that they have the same duration t_u

Card 2/3

S/106/63/000/004/008/008
A055/A126

Interferences from partial discharges on

and that their random amplitudes obey the normal distribution law, assuming also that the amplitude of the zero pulse emerging at $t = 0$ is equal to unity and that its spectral density is

$$g(\omega) = \frac{2}{\omega} \sin \frac{\omega t_u}{2}, \quad (9)$$

the author finds the following expression for the energy spectrum of this system of pulses:

$$F(\omega) = \frac{16\sigma^2}{\omega^2 T} \sin^2 \frac{\omega t_u}{2} + \frac{32\pi U_0^2}{\omega^2 T^2} \sin^2 \frac{\omega t_u}{2} \sum_{n=1}^{\infty} \delta\left(\omega - \frac{2\pi n}{T}\right), \quad (10)$$

where U_0 is the mean amplitude and σ^2 is the dispersion. c) Structure of the components of a sequence of pulses having the same amplitude U and the same duration t_u , but emerging at random moments. d) Structure of the components of a periodical sequence of pulses having a random duration. For these two cases also, expressions giving the energy spectrum are deduced and discussed. The results of an experimental investigation of h-f interferences in 0.4 - 35 kv overhead lines are given at the end of the article, and some practical conclusions regarding these interferences are drawn. There are 10 figures.

SUBMITTED: September 14, 1962

Card 3/3

ZASTELLO, B.I., inzh.; SARAPKIN, V.V., inzh.

Use of the distributed inductance of the wires for high-frequency
transmission of information on electric power lines. Elek sta. 34
no.11:80-83 N '63. (MIRA 17'2)

SARAPKIN, V.V., inzh.

All-Union conference on the development and use of radio
communication in the national economy of the U.S.S.R. Elek.
sta. 34 no.10:95 0 '63. (MIRA 16:12)

SARAPKIN, V.V., kand. tekhn. nauk

Radio communication equipment for the repair brigades of rural
electric power distribution networks. Energetik 12 no.5:5-9
My '64. (MIRA 17:6)

SARAPKIN, V.V.

Use of radio communication in repairing rural electric
power networks. Sbor. nauch.-tekh. inform. po elektr.
sel'khoz. no.16/17:105-110 '64. (MIRA 18:11)

SARAPKINA, T.P., assistant

Activity of uropepsin and urine diastase in gastric cancer.
Trudy OMI no.54:95-102 '64.

Enzymic spectrum of the blood in healthy persons and in patients
with gastric cancer. Ibid.:103-109 (MIRA 18:9)

1. Iz kafedry biologicheskoy khimii (zav.- dotsent A.S. Stepanenko)
Omskogo meditsinskogo instituta.

S/122/63/000/003/004/008
A004/A127

AUTHORS: Trifonov, Ye.V., Candidate of Technical Sciences, Yampol'skiy, S.L.,
Khomyakov, V.P., Sarapov, O.P., - Engineers

TITLE: The effect of some design parameters of segmental slide thrust
bearings on their efficiency

PERIODICAL: Vestnik mashinostroyeniya, no. 3, 1963, 20 - 27

TEXT: The authors give an account of experimental investigations performed at the Kaluzhskiy turbinny zavod (Kaluga Turbine Plant) on tilting-pad thrust bearings which were aimed at elucidating the dependence of their carrying power on some design parameters which are not taken into consideration by the universally adopted calculation methods. The bearings were tested at speeds of 30 - 70 m/sec, which is characteristic of steam and gas turbines. The main features of the tested thrust bearings are presented in a table. The major purpose of the tests was to determine the magnitude of the bearing breaking load under various operation conditions and of different designs of segmental thrust bearings. The following factors were investigated: effect of the number of tilting

Card 1/2

The effect of some design parameters of

S/122/63/000/003/004/008
A004/A127

pads on the functioning of the thrust bearing, pad material, geometrical shape of the pads, and effect of the sliding speed on the carrying power of thrust bearings. The authors present a detailed description of the tests concerning the factors mentioned and give a number of recommendations in designing thrust bearings of the type tested. There are 7 figures and 2 tables.

Card 2/2

Z/011/62/019/004/007/008
EO73/E335

AUTHORS: Sarapov, V.I. and Fomina, A.M.

TITLE: On determining the pressure of saturated vapours of motor fuels according to the GOST 6668-53 standard

PERIODICAL: *Chemie a chemicka technologie; Prehled technicke a hospodarske literatury*, v.19, no. 4, 1962, 174, abstract Ch 62-2377 (*Khimiya i tekhnologiya topliv i masel*, no. 1, 1962, 64 - 65)

TEXT: A calculation according to the given formulae has to be made more accurate by using a correction factor, which takes into consideration the volume of the water vapours. The thus-obtained values are compared with data from published literature and with values determined from the original equation. 2 tables, 4 references.

[Abstracter's note: this is a complete translation.]

Card 1/1